SINAK
SUSTAINABLE BUILDING SOLUTIONS

GREENGUARD
PRODUCT CERTIFIED FOR LOW CHEMICAL EMISSIONS
UL.COM/GG
UL 2818
GOLD

S-102™ CONCRETE WATERPROOFING

SINAK S-102™ is formulated to waterproof, protect, and preserve, concrete, even in the most adverse environments. These capabilities are demonstrated by the results of extensive field performance and testing.

FEATURES & BENEFITS

- Permanent Chloride ION Protection
- Permanent Free Thaw Protection
- Improves Abrasion Resistance
- Permanent Salt Guard

TESTING

Testing of SINAK Sealers has been conducted with two primary objectives: (1) to prove superior performance; and (2) to ensure a close and consistent correlation between laboratory and field results. Chloride Ion Penetration (AASHTO T 259, based on abraded specimens - linseed oil-treated control)

CHLORIDE CONTENT (lbs/cu yd)

SAMPLE DEPTH	LINSEED	S-102™	PERCENT IMPROVEMENT
1/16" to 1/2"	4.98	2.50	49.8%
1/2" to 1"	0.34	.04	88.2%

PRODUCT DESCRIPTION
SINAK S-102™ is a water-based liquid, with a proprietary formula in solution, that requires no mixing, diluting or agitating. The sealer is non-toxic and contains NO volatile organic compounds or solvents.

PRODUCT COVERAGE
S-102™ coverage rate is 150-250 sq.ft. per gallon (finished application). Finished application means including all coats of S-102. Coverage ranges are from project experience. Actual coverage will depend on surface textures and concrete quality.

APPLICATION
Sealers are applied using a low-pressure tank-type or air-less sprayer. All treated areas must then be sprayed with light water spray. See label or Product Information Sheet for detailed instructions.

TESTING
Testing of the SINAK Sealers is the most comprehensive in the industry and has been conducted with two primary objectives: (1) to establish and prove superior perfor-mance; (2) to ensure a close and consistent correlation between laboratory and field results.

HYDROSTATIC PRESSURE RESISTANCE
Testing of the SINAK Sealers is the most comprehensive in the industry and has been conducted with two primary objectives: (1) to establish and prove superior perfor-mance; (2) to ensure a close and consistent correlation between laboratory and field rtesults.

APPLIED PRESSURE: 100 psi **DURATION:** 24 Hours **ABSORPTION:** Treated: 120 ml
Untreated: 7 ml

Note: Moisture was observed on the sides of the un-treated specimen. No moisture was observed on the sides of the treated specimens.

SURFACE ABRASION RESISTANCE
Testing of the SINAK Sealers is the most comprehensive in the industry and has been conducted with two primary objectives: (1) to establish and prove superior perfor-mance; (2) to ensure a close and consistent correlation between laboratory and field results.

Wear Index: 38% Improvement **Depth of Wear:** 21% Improvement

SURFACE SCALING
Surface Scaling (ASTM C 672)
Non-air entrained concrete after 50 freeze-thaw cycles:

	UNTREATED CONTROL	S-102™ TREATED
Scaling 38% Improvement	Slight to moderate	None
Weight Loss 21% Improvement	1.5%	None

FREEZE-THAW TESTING
(AASHTO T 161/ ASTM C 666)

SCALING AFTER	UNTREATED CONTROL	S-102™ TREATED
146 Cycles	Slight	None
237 Cycles	Slight	None
480 Cycles	Slight	None

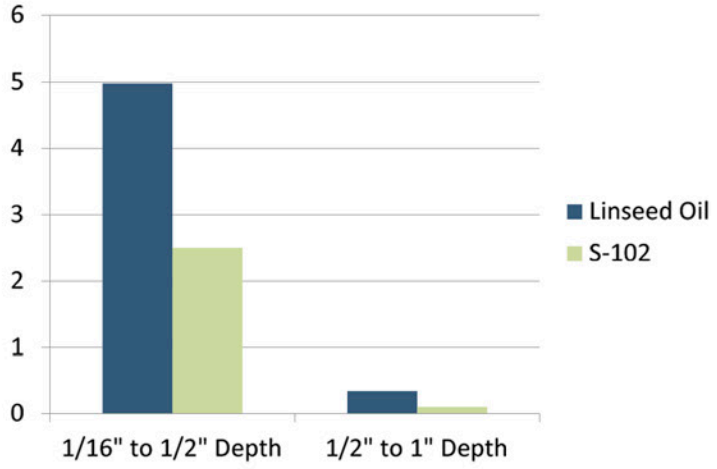
BOND STRENGTH OF EPOXY SYSTEMS
(ASTM C 882 - Shear strength)
No failure of epoxy bond to sealer-treated shear surfaces. (Concrete failed in compression.)

PULL TESTS - EPOXY
No failure of epoxy bond to sealer-treated flat surfaces. (Concrete failed in tension.)

BOND STRENGTH OF URETHANE SYSTEMS (Shear and tensile)
Withstood 4 to 5 times the stress for the stated movement capability specified by the manufacturer.

CHLORIDE ION RESISTANCE
(AASHTO T 259, based on abraded specimens)

Linseed Oil Control (Abraded Specimens)
lbs. chloride / cu. yd. concrete



WARRANTY
In all cases, SINAK Corporation warrants its products to be of the highest quality; but since application of the product is crucial in obtaining satisfactory results, and is beyond the control of SINAK Corporation, refund of the purchase price or replacement of product shall constitute the limit of SINAK Corporation's liability. SINAK Corporation makes no other warranties expressed or implied. Extended labor and materials warranties for up to 10 years may be offered at no added cost for applications performed by SINAK Certified Applicators. Warranty remains in effect even if up to 1/16" of the surface is abraded or worn away after the application. Write or call for details.

PRODUCT HANDLING AND STORAGE
SINAK S-102™ has an indefinite shelf-life but must be kept in tightly secured containers to prevent evaporation and contamination. All SINAK Sealers MUST be protected from freezing. Sealer that has frozen will not function as intended.

PRODUCT AVAILABILITY
SINAK S-102™ is available in 5-gallon pails and 55 gallon steel drums through selected, qualified distributors and dealers. Call for the nearest source.

TECHNICAL SUPPORT
Technical assistance is available from the manufacturer and from selected distributors.

PRECAUTIONS
This product may damage or stain certain types of glass, metals, and glazed materials, which should be protected from spillage and overspray.
See product label or Product Information Sheet for complete application instructions and precautions.